

What is claimed is:

1. A locking system for use with a storage container, the locking system integral with a door of the cargo storing container, the locking system comprising:

a housing mounted to and extending through the door, the door having an interior side and an exterior side,

two rods extending from the housing on the interior side of the door, the rods having a locked position extending beyond the periphery of the door and an unlocked position not extending beyond the periphery of the door, each of the two rods having at least one tapered edge on the inside edge extending beyond the periphery of the door in the locked position,

two rod receivers, each rod receiver corresponding to one of the two rods, the two rod receivers adapted to receive the tapered edges of the two rods in the locked position, the tapered edges engaging the two rod receivers thereby acting to seal the door tightly in the locked position,

a handle recessed behind the housing on the exterior side of the door, the handle rotatably engaging a cam plate contained within the housing, the cam plate being operatively engaged with the three rods, the handle rotating the cam plate to move the rods from one of the locked position and the unlocked position to the other of the locked position and the unlocked position.

2. The locking system of claim 1 wherein each of the two rods have three tapered edges positioned on the inside and lateral edges of the two rods, the three tapered edges engaging corresponding tapered sides of the rod receivers to generate a  
5 force pulling the door inwardly when in the locked position.

3. The locking system of claim 1 further comprising a gasket positioned about the periphery of the door, the inward force on the door acting to create a seal between the interior  
10 and the exterior of the door.

4. The locking system of claim 1 wherein the housing is box like in shape with a front panel being integral with the door, the front panel adapted to flush mount to the exterior of a door  
15 with the housing extending inwardly therefrom.

5. The locking system of claim 1 wherein the handle rotatably engages an axle recessed behind the housing, the axle engaging the cam plate.

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6. The locking system of claim 8 wherein the handle is mounted to the axle by a weld whereby said handle separates from the axle if excessive force is exerted on the handle.

7. The locking system of claim 1 wherein the two rods are mounted to the cam plate at two corners thereof, the handle rotating the cam plate to move between the locked position and the unlocked position.

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8. The locking system of claim 1 further comprising rod guides mounted proximate to the periphery of the door, the rod guides adapted to align the rods with the rod receivers.

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9. The locking system of claim 1 wherein both of the two locking rods must be compromised to gain access to the container.

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10. The locking system of claim 1 further comprising anti-torque spacers interposed between the cam plate and the housing to maintain the cam plate and the housing in a parallel relationship.

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11. A locking system for use with a storage container, the locking system integral with a door of the cargo storing container, the locking system comprising:

a housing mounted to and extending through a door,

two rods extending from the housing, the rods having a locked position extending beyond the periphery of the door and an

unlocked position not extending beyond the periphery of the door, each of the two rods having at least one tapered edge on the inside edge extending beyond the periphery of the door in the locked position,

5       two rod receivers, each rod receiver corresponding to one of the two rods, the two rod receivers adapted to receive the tapered edges of the two rods in the locked position, the tapered edges engaging the two rod receivers thereby acting to seal the door tightly in the locked position,

10       a handle recessed behind the housing, the handle rotatably engaging a cam plate contained within the housing, the cam plate being operatively engaged with the two rods, the handle rotating the cam plate to move the rods from one of the locked position and the unlocked position to the other of the locked position and  
15       the unlocked position,

      a locking tab extending forwardly from the cam plate into a recess in the housing, the locking tab adapted to be engaged by a circular lock, the recess being sized to engage the circular lock and thereby prevent movement of the circular lock and the locking  
20       tab when said circular lock is engaged by the locking tab whereby the integrity of the locking system is not dependent upon the integrity of the locking tab.

12. The locking system of claim 11 wherein the locking tab includes a circular lock hole extending therethrough, the hasp of the circular lock extending through the circular lock hole.

5        13. The locking system of claim 11 wherein the locking tab extends through an arcuate gap into the recess, the ends of the arcuate gap providing stops for the locking tab, the stops defining the unlocked position and the locked position.

10       14. A locking system for use with a storage container, the locking system being mounted into a door of the cargo storing container, the locking system comprising:

        a housing mounted to and extending through a door, a gasket positioned about the periphery of the door,

15       two rods extending from the housing, the rods having a locked position extending beyond the periphery of the door and an unlocked position not extending beyond the periphery of the door, each of the two rods having three tapered edges positioned on the inside and lateral edges of the two rods extending beyond the  
20       periphery of the door in the locked position, the three tapered edges engaging the rod receivers to generate a force pulling the door inwardly when in the locked position,

        two rod receivers, each rod receiver corresponding to one of

the two rods, the two rod receivers adapted to receive the tapered edges of the two rods in the locked position, the tapered edges engaging the two rod receivers thereby acting to create a seal using the gasket between the interior and the exterior of the door,

a handle recessed behind the housing, the handle rotatably engaging a cam plate contained within the housing, the cam plate being operatively engaged with the two rods, the handle rotating the cam plate to move the rods from one of the locked position and the unlocked position to the other of the locked position and the unlocked position,

a locking tab extending forwardly from the cam plate into a recess in the housing, the locking tab adapted to be engaged by a circular lock, the recess being sized to engage the circular lock and thereby prevent movement of the circular lock and the locking tab when said circular lock is engaged by the locking tab whereby the integrity of the locking system is not dependent upon the integrity of the locking tab.

15. The locking system of claim 14 wherein the locking tab includes a circular lock hole extending therethrough, the hasp of the circular lock extending through the circular lock hole.

16. The locking system of claim 14 wherein the locking tab extends through an arcuate gap into the recess, the ends of the arcuate gap providing stops for the locking tab, the stops defining the unlocked position and the locked position.

5 behind the housing, the axle engaging the cam plate.

17. The locking system of claim 14 wherein the handle rotatably engages an axle recessed behind the housing, the axle engaging the cam plate.

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18. The locking system of claim 17 wherein the handle is mounted to the axle by a weld whereby said handle separates from the axle if excessive force is exerted on the handle.

15 19. The locking system of claim 14 further comprising rod guides mounted proximate to the periphery of the door, the rod guides adapted to align the rods with the rod receivers.

20 20. The locking system of claim 14 further comprising anti-torque spacers interposed between the cam plate and the housing to maintain the cam plate and the housing in a parallel relationship.